

Algebra

Mrs. Britton

Section 7.4: Zeros of a Polynomial Function

Name: _____

Date: _____

Solve each equation. ****SHOW ALL YOUR WORK****

1. $B(x) = x^3 - 4x^2 - 3x + 12$

2. $f(x) = 4x^3 - 20x^2 - 3x + 15$

3. $t(x) = x^3 - 2x^2 + 78 - 35x$

4. $N(x) = x^3 - 3x^2 + 4x - 12$

5. $G(x) = x^3 + 5x^2 + 10 + 2x$

6. $W(x) = x^3 - 3x^2 + 12x - 36$

7. $8x - 3x + 18 = 53$

8. $32p + 20 + 5 - 7p = 600$

9. $8 - 3k - 2 = 60$

10. $r - 10 + 6r - 6 = -65$

11. $-4x + 6x + x + 2 = -16$

12. $60 = 10f + 16 - 40 + 2f$